

PTO-1449 REPRODUCED <i>DIPE</i> SEP 16 2005 PATENT SEARCHED INDEXED MAILED 108	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. 10/719,150	
FIRST NAMED INVENTOR Kevin J. Tracey		FILING DATE November 21, 2003	
EXAMINER Not Yet Assigned		CONFIRMATION NO. 3380	GROUP 3754
(Use several sheets if necessary)			

EXAMINER <i>John</i>	DATE CONSIDERED 12/11/05
-------------------------	-----------------------------

PTO-1449 REPRODUCED INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION September 13, 2005 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. 10/719,150
	FIRST NAMED INVENTOR Kevin J. Tracey	
	FILING DATE November 21, 2003	
	EXAMINER Not Yet Assigned	CONFIRMATION NO. 3380

FOREIGN PATENT DOCUMENTS

EXAMINER <i>Meier</i>	DATE CONSIDERED <i>12/11/05</i>
--------------------------	------------------------------------

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. 10/719,150
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION		FIRST NAMED INVENTOR Kevin J. Tracey	
September 13, 2005 (Use several sheets if necessary)		FILING DATE November 21, 2003	
		EXAMINER Not Yet Assigned	CONFIRMATION NO. 3380
			GROUP 3754

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
W	C1	Sakamoto, R., <i>et al.</i> , "Inhibitory Effect of Glycyrrhizin on the Phosphorylation and DNA-Binding Abilities of High Mobility Group Proteins 1 and 2 <i>in Vitro</i> ," <i>Biol. Pharm. Bull.</i> 24(8):906-911 (2001).
	C2	Akamatsu, H., <i>et al.</i> , "Mechanism of Anti-Inflammatory Action of Glycyrrhizin: Effect on Neutrophil Functions Including Reactive Oxygen Species Generation," <i>Planta Med.</i> 57(2):119-121 (1991).
	C3	Azimov, M. M., <i>et al.</i> , "Pharmacological Study of the Anti-Inflammatory Agent Glyderinine," <i>Farmakol. Toksikol.</i> 51(4):90-93 (1988).
	C4	Lotze, M. T., and Tracey, K. J., "High-Mobility Group Box 1 Protein (HMGB1): Nuclear Weapon in the Immune Arsenal," <i>Nat. Rev. Immunol.</i> , 5:331-342 (2005)
	C4	Kuby, J., "Overview of the Immune System," In <i>Immunology</i> , (NY: W. H. Freeman and Company), page 1 (1992).

EXAMINER	DATE CONSIDERED
<i>Moore</i>	12/1/05

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. 10/719,150
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION		FIRST NAMED INVENTOR Kevin J. Tracey
NOV 08 2004 U.S. PATENT & TRADEMARK OFFICE (use several sheets if necessary)		FILING DATE November 21, 2003
EXAMINER		CONFIRMATION NO. 3380
		GROUP 3754

U.S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT

FOREIGN PATENT DOCUMENTS				
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AS7		Romani, M., et al., "Serological Analysis of Species Specificity in the High Mobility Group Chromosomal Proteins," <i>J. Biol. Chem.</i> , 254(8):2918-2922 (1979).

EXAMINER <i>Tracey</i>	DATE CONSIDERED 12/11/05
---------------------------	-----------------------------

ATTORNEY DOCKET NO.
3268.1000-012APPLICATION NO.
10/719,150SUPPLEMENTAL INFORMATION DISCLOSURE
CITATION IN AN APPLICATION

September 23, 2004

(Use several sheets if necessary)

FIRST NAMED INVENTOR
Kevin J. TraceyFILING DATE
11/21/2003

EXAMINER

CONFIRMATION NO.
3380GROUP
3754

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
WY	AD	5,594,114	01-14-1997	Goodearl, A. D. J., <i>et al.</i>

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
WY	AQ	WO 2004/004763 A2	01-15-2004	Bianchi, M. E., <i>et al.</i>	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WY	AWS	Bustin, M., <i>et al.</i> , "Immunological Relatedness of High Mobility Group Chromosomal Proteins from Calf Thymus," <i>J. Biol. Chem.</i> , 253(5):1694-1699 (1978).
	AXS	Rauvala, H. and Pihlaskari, R., "Isolation and Some Characteristics of an Adhesive Factor of Brain That Enhances Neurite Outgrowth in Central Neurons," <i>J. Biol. Chem.</i> , 262(34):16625-16635 (1987).
	AYS	Daston, M. M. and Ratner, N., "Expression of P30, a Protein with Adhesive Properties, in Schwann Cells and Neurons of the Developing and Regenerating Peripheral Nerve," <i>J. Cell Biol.</i> , 112(6):1229-1239 (1991).
	AZS	Parkkinen, J., <i>et al.</i> , "Amphoterin, the 30-kDa Protein in a Family of HMG1-type Polypeptides," <i>J. Biol. Chem.</i> , 268(26):19726-19738 (1993).
	AR6	Sobajima, J., <i>et al.</i> , "High Mobility Group (HMG) Non-Histone Chromosomal Proteins HMG1 and HMG2 are Significant Target Antigens of Perinuclear Anti-Neutrophil Cytoplasmic Antibodies in Autoimmune Hepatitis," <i>Gut</i> , 44:867-873 (1999).
	AS6	Ma W., <i>et al.</i> , "Detection of Anti-Neutrophil Cytoplasmic Antibodies in MRL/Mp-lpr/lpr Mice and Analysis of Their Target Antigens," <i>Autoimmunity</i> , 32(4):281-291 (2000).
	AT6	Banks, G. C., <i>et al.</i> , "The HMG-I(Y) A-T-hook Peptide Motif Confers DNA-binding Specificity to a Structured Chimeric Protein," <i>J. Biol. Chem.</i> , 274(23):16536-16544 (1999).

EXAMINER

DATE CONSIDERED

12/11/05

SUPPLEMENTAL INFORMATION DISCLOSURE
CITATION IN AN APPLICATION

September 23, 2004

OCT 18 2004

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
3268.1000-012APPLICATION NO.
10/719,150FIRST NAMED INVENTOR
Kevin J. TraceyFILING DATE
11/21/2003

EXAMINER

CONFIRMATION NO.
3380GROUP
3754

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

W	AU6	Scaffidi, P., <i>et al.</i> , "Release of Chromatin Protein HMGB1 by Necrotic Cells Triggers Inflammation," <i>Nature</i> , 418:191-195 (2002).
	AV6	Abaza, M.-S. I. and Atassi, M. Z., "Effects of Amino Acid Substitutions Outside an Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration with Region 94-100 (Antigenic Site 3) of Myoglobin," <i>J. Protein Chem.</i> , 11(5):433-444 (1992).
	AW6	Colman, P. M., "Effects of Amino Acid Sequence Changes on Antibody-Antigen Interactions," <i>Res. Immunol.</i> , 145(1):33-36 (1994).
	AX6	Freeman, B. D., <i>et al.</i> , "The Role of Inflammation in Sepsis and Septic Shock: A Meta-Analysis of Both Clinical and Preclinical Trials of Anti-Inflammatory Therapies," in <i>Inflammation: Basic Principles and Clinical Correlates</i> (John I. Gallin and Ralph Snyderman eds., Lippincott, Williams & Wilkins, Philadelphia, 3 rd ed. 1999), pp 965-975.
	AY6	Lederman, S., <i>et al.</i> , "A Single Amino Acid Substitution in a Common African Allele of the CD4 Molecule Ablates Binding of the Monoclonal Antibody OKT," <i>Mol. Immunol.</i> , 28(11):1171-1181 (1991).
	AZ6	Czura, C., <i>et al.</i> , "Dual Roles for HMGB1: DNA Binding and Cytokine," <i>J. Endotoxin Res.</i> , 7(4):315-321 (2001).
V	AR7	Wen, L., <i>et al.</i> , "A Human Placental cDNA Clone that Encodes Nonhistone Chromosomal Protein HMG-1," <i>Nucleic Acids Res.</i> , 17(3):1197-1213 (1989).

EXAMINER

DATE CONSIDERED

12/11/05

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. 10/719,150
INFORMATION DISCLOSURE CITATION IN AN APPLICATION O I P E 3188 JUN 04 2004 (Use several sheets if necessary)		FIRST NAMED INVENTOR Kevin J. Tracey	FILING DATE November 21, 2003
		EXAMINER	CONFIRMATION NO. 3380
			GROUP 3754

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

W	AT4	Passalacqua, M., <i>et al.</i> , "Stimulated Astrocytes Release High-Mobility Group 1 Protein, an Inducer of Lan-5 Neuroblastoma Cell Differentiation," <i>Neuroscience</i> , 82(4):1021-1028 (1998).
	AU4	Chou, D. K. H., <i>et al.</i> , "Identity of Nuclear High-Mobility-Group Protein, HMG-1, and Sulfoglucuronyl Carbohydrate-Binding Protein, SBP-1, in Brain," <i>J. Neurochem.</i> , 77:120-131 (2001).
	AV4	Imamura, T., <i>et al.</i> , "Interaction with p53 Enhances Binding of Cisplatin-Modified DNA by High Mobility Group 1 Protein," <i>J. Biol. Chem.</i> , 276(10):7534-7540 (2001).
	AW4	Ise, T., <i>et al.</i> , "Transcription Factor Y-Box Binding Protein 1 Binds Preferentially to Cisplatin-Modified DNA and Interacts With Proliferating Cell Nuclear Antigen," <i>Cancer Res.</i> , 59:342-346 (1999).
	AX4	Jung, F., <i>et al.</i> , "Antibodies Against a Peptide Sequence Located in the Linker Region of the HMG-1/2 Box Domains in Sera From Patients With Juvenile Rheumatoid Arthritis," <i>Arthritis Rheum.</i> , 40(10):1803-1809 (1997).
	AY4	Bianchi, M. E., <i>et al.</i> , "Specific Recognition of Cruciform DNA by Nuclear Protein HMG1," <i>Science</i> , 243:1056-1059 (1989).
	AZ4	Suda, T., <i>et al.</i> , "A Novel Activity of HMG Domains: Promotion of the Triple-Stranded Complex Formation Between DNA Containing (GGA/TCC) ₁₁ and d(GGA) ₁₁ Oligonucleotides," <i>Nucleic Acids Res.</i> , 24(23):4733-4740 (1996).
	ARS	Ayer, L. M., <i>et al.</i> , "Antibodies to HMG Proteins in Patients With Drug-Induced Autoimmunity," <i>Arthritis Rheum.</i> , 37(1):98-103 (1994).
	ASS	Rauvala, H., <i>et al.</i> , "The Adhesive and Neurite-Promoting Molecule p30: Analysis of the Amino-Terminal Sequence and Production of Antipeptide Antibodies That Detect p30 at the Surface of Neuroblastoma Cells and of Brain Neurons," <i>J. Cell Biol.</i> , 107(6):2293-2305 (1988).
	ATS	Sobajima, J., <i>et al.</i> , "Prevalence and Characterization of Perinuclear Anti-Neutrophil Cytoplasmic Antibodies (P-ANCA) Directed Against HMG1 and HMG2 in Ulcerative Colitis (UC)," <i>Clin. Exp. Immunol.</i> , 111:402-407 (1998).
✓	AU5	Yamada, S., <i>et al.</i> , "High Mobility Group Protein 1 (HMGB1) Quantified by ELISA With a Monoclonal Antibody That Does Not Cross-React With HMGB2," <i>Clin. Chem.</i> , 49(9):1535-1537 (2003).

EXAMINER <i>Markman</i>	DATE CONSIDERED 10/11/05
----------------------------	-----------------------------

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. Continuation of 10/300,068	
October 30, 2003 (Use several sheets if necessary)	APPLICANT Kevin J. Tracey and Haichao Wang		
	FILING DATE	CONFIRMATION NO.	GROUP 1649

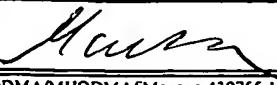
EXAMINER 	DATE CONSIDERED 12/11/05
-------------------------------------------------------------------------------------------------	-----------------------------

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 30, 2003 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. Continuation of 10/300,068	
	APPLICANT Kevin J. Tracey and Haichao Wang		
	FILING DATE	CONFIRMATION NO.	GROUP

EXAMINER <i>Martin</i>	DATE CONSIDERED 12/11/05
---------------------------	-----------------------------

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 30, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. Continuation of 10/300,068
APPLICANT Kevin J. Tracey and Haichao Wang			
FILING DATE		CONFIRMATION NO.	GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
W	AR	Zhang, M. et al., "Tumor Necrosis Factor", in <i>The Cytokine Handbook</i> , (Academic Press Limited), Third Edition, pp. 517-547 (1998).	
	AS	Johns, E.W., et al. "History, Definitions and Problems", in <i>The HMG Chromosomal Problems</i> , (Academic Press), London: Chapter 1, pp. 1-7 (1982).	
	AT	Landsman, D., et al., "A Signature for the HMG-1 Box DNA-Binding Proteins", <i>BioEssays</i> , 15(8): 539-546 (1993).	
	AU	Baxevanis, A.D., et al., "The HMG-1 Box Protein Family: Classification and Functional Relationships", <i>Nucleic Acids Res.</i> , 23(9):1604-1613 (1995).	
	AV	Merenmies, J., et al., "30-kDa Heparin-Binding Protein of Brain(Amphoterin) Involved in Neurite Outgrowth", <i>J. Biol. Chem.</i> , 266(25): 16722-16729 (1991).	
	AW	Milev, P., et al., "High Affinity Binding and Overlapping Localization of Neurocan and Phosphacan/Protein-Tyrosine Phosphatase - ζ/β with Tenascine -4, Amphoteric, and the Heparin-Binding Growth-Associated Molecule", <i>J. Biol. Chem.</i> , 273(12):6998-7005 (1998).	
	AX	Salmivirta, M., et al., "Neurite Growth-Promoting Protein (Amphoterin, p 30) Binds Syndecan", <i>Exp. Cell Res.</i> , 200: 444-451 (1992).	
	AY	Melloni, E., et al., "Identity in Molecular Structure Between 'Differentiation Enhancing Factor' of Murine Erythroleukemia Cells and the 30 kD Heparin-Binding Protein of Developing Rat Brain", <i>Biochem. Biophys. Res. Commun.</i> , 210(1): (1995).	
	AZ	Melloni, E., et al., "Extracellular Release of the 'Differentiation Enhancing Factor', and a HMG1 Protein Type, is an Early Step in murine Erythroleukemia Cell Differentiation", <i>FEBS Lett.</i> , 368: 466-470 (1995).	
	AR2	Mohan, P.S., et al., "Sulfoglycolipids Bind to Adhesive Protein Amphoterin (p30) in the Nervous System", <i>Biochem. Biophys. Res. Commun.</i> , 182(2)(1992).	
	AS2	Yamawaki, M., et al., "Generation and Characterization of Anti-Sulfoglucuronosyl Paragloboside Monoclonal Antibody NGR50 and Its Immunoreactivity with Peripheral Nerve", <i>J. Neurosci. Res.</i> , 44: 586-593 (1996).	
↓	AT2	Vassalli, J., et al., "The Plasminogen Activator/Plasmin System", <i>J. Clin. Invest.</i> , 88: 1067-1072 (1991).	

EXAMINER 	DATE CONSIDERED 12/11/05
-------------------------------------------------------------------------------------------------	-----------------------------

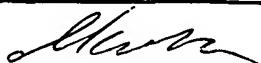
PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 30, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. Continuation of 10/300,068
		APPLICANT Kevin J. Tracey and Haichao Wang	
		FILING DATE	CONFIRMATION NO.
			GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
W	AU2	Parkkinen, J., <i>et al.</i> , "Interactions of Plasminogen and Tissue Plasminogen Activator (t-PA) with Amphotericin", <i>J. Biol. Chem.</i> , 266(25): 16730-16735 (1991).	
	AV2	Redlitz, A., <i>et al.</i> , "Receptors for Plasminogen and t-PA: An Update", <i>Baillière's Clinical Haematology</i> , 8(2): 313-327 (1995).	
	AW2	Sobajima, J., <i>et al.</i> , "Novel Autoantigens of Perinuclear Anti-Neutrophil Cytoplasmic Antibodies (P-ANCA) in Ulcerative Colitis: Non-histone Chromosomal Proteins, HMG1 and HMG2," <i>Clin. Exp. Immunol.</i> , 107:135-140 (1997).	
	AX2	Sobajima, J., <i>et al.</i> , "Anti-Neutrophil Cytoplasmic Antibodies (ANCA) in Ulcerative Colitis: Anti-Cathepsin G and a Novel Antibody Correlate With a Refractory Type," <i>Clin. Exp. Immunol.</i> , 105:120-124 (1996).	
	AY2	Sparatore, B., <i>et al.</i> , "Extracellular High-mobility Group 1 Protein Is Essential for Murine Erythroleukaemia Cell Differentiation," <i>Biochem. J.</i> , 320:253-256 (1996).	
	AZ2	Tomita, N., <i>et al.</i> , "Direct in Vivo Gene Introduction into Rat Kidney," <i>Biochem. Biophys. Res. Commun.</i> , 186(1):129-134 (1992).	
	AR3	Wang, H., <i>et al.</i> , "HMG-1 as a Late Mediator of Endotoxin Lethality in Mice," <i>Science</i> 285:248-251 (1999).	
	AS3	Abraham, E., <i>et al.</i> , "Cutting Edge: HMG-1 as a Mediator of Acute Lung Inflammation," <i>J. Immunol.</i> , 165:2950-2954 (2000).	
	AT3	Andersson, U., <i>et al.</i> , "High Mobility Group 1 Protein (HMG-1) Stimulates Proinflammatory Cytokine Synthesis in Human Monocytes," <i>J. Exp. Med.</i> , 192:565-570 (2000).	
	AU3	Bianchi, M.E., <i>et al.</i> , "The DNA Binding Site of HMG1 Protein is Composed of Two Similar Segments (HMG Boxes), Both of Which Have Counterparts in Other Eukaryotic Regulatory Proteins," <i>EMBO J.</i> , 11(3): 1055-1063 (1992).	
✓	AV3	Bustin, M. "Revised Nomenclature for High Mobility Group (HMG) Chromosomal Proteins," <i>Trends Biochem. Sci.</i> , 26:152-153 (2001).	

EXAMINER 	DATE CONSIDERED 12/11/05
-------------------------------------------------------------------------------------------------	-----------------------------

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3268.1000-012	APPLICATION NO. Continuation of 10/300,068
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		
October 30, 2003 (Use several sheets if necessary)	APPLICANT Kevin J. Tracey and Haichao Wang	
	FILING DATE	CONFIRMATION NO.
		GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
W	AW3	Degryse, B., <i>et al.</i> , "The High Mobility Group (HMG) Boxes of the Nuclear Protein HMG1 Induce Chemotaxis and Cytoskeleton Reorganization in Rat Smooth Muscle Cells," <i>J. Cell Biol.</i> , 152:1197-1206 (2001).
	AX3	Wang, H., <i>et al.</i> , "Proinflammatory Cytokines (Tumor Necrosis Factor and Interleukin 1) Stimulate Release of High Mobility Group Protein-1 by Pituitary Cells," <i>Surgery</i> , 126:389-392(1999).
	AY3	Falcioiu, L., <i>et al.</i> , "High Mobility Group 1 Protein is Not Stably Associated with the Chromosomes of Somatic Cells," <i>J. Cell Biol.</i> , 137 (1):19-26 (1997).
	AZ3	Vanderbilt, J.N., <i>et al.</i> , "Monoclonal Antibodies as Probes for the Complexity, Phylogeny, and Chromatin Distribution of High Mobility Group Chromosomal Proteins 1 and 2," <i>J. Biol. Chem.</i> , 260(16):9336-9345 (1985).
	AR4	Bustin, M., <i>et al.</i> , "Antigenic Determinants of High Mobility Group Chromosomal Proteins 1 and 2," <i>Biochem.</i> , 21:6773-6777 (1982).
U	AS4	Tsuneoka, M., <i>et al.</i> , "Monoclonal Antibody Against Non-Histone Chromosomal Protein High Mobility Group 1 Co-Migrates With High Mobility Group 1 Into the Nucleus," <i>J. Biol. Chem.</i> , 261(4):1829-1834 (1986).

EXAMINER 	DATE CONSIDERED 12/11/05
-------------------------------------------------------------------------------------------------	-----------------------------